

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
7 July 2005 (07.07.2005)

PCT

(10) International Publication Number
WO 2005/060739 A1

(51) International Patent Classification⁷: **A01K 67/027**,
C12N 15/00

(21) International Application Number:
PCT/AU2004/001844

(22) International Filing Date:
24 December 2004 (24.12.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
2003907150 24 December 2003 (24.12.2003) AU

(71) Applicant (for all designated States except US): **G2 IN-
FLAMMATION PTY LTD** [AU/AU]; Level 10, 384 Vic-
toria Street, Darlinghurst, New South Wales 2010 (AU).

(72) Inventor; and

(75) Inventor/Applicant (for US only): **MACKAY, Charles,
Reay** [AU/AU]; 1 Belah Gardens, Vaucluse, New South
Wales 2030 (AU).

(74) Agent: **FB RICE & CO**; 139 Rathdowne Street, Carlton,
Victoria 3053 (AU).

(81) Designated States (unless otherwise indicated, for every
kind of national protection available): AE, AG, AL, AM,
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,
ZW.

(84) Designated States (unless otherwise indicated, for every
kind of regional protection available): ARIPO (BW, GH,
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,
FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO,
SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN,
GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report

For two-letter codes and other abbreviations, refer to the "Guid-
ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.

(54) Title: **TRANSGENIC NON-HUMAN MAMMAL COMPRISING A POLYNUCLEOTIDE ENCODING HUMAN OR HU-
MANIZED C5aR**

(57) Abstract: The present invention relates to transgenic non-human mammals comprising a polynucleotide encoding a human or humanized C5aR. The invention also relates to use of the transgenic non-human mammals in methods of screening for agonists, inverse agonists and antagonists of human C5aR and for testing efficacy of C5aR agonists, inverse agonists and antagonists in various animal models of disease.

WO 2005/060739 A1